

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S3 | 2 | ("6519717").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/05 18:12 |
| S5 | 2 | ("6038684").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/05 18:14 |
| S4 | 2 | ("5799022").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/05 18:14 |
| S6 | 2 | ("5993055").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 13:26 |
| S8 | 5 | ((("5440688") or ("5479611") or ("5748883") or ("6148419") or ("6173422"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:27 |
| S7 | 13 | ((("5494136") or ("3575589") or ("4617661") or ("6269460") or ("3786430") or ("4598356") or ("5007056") or ("3818199") or ("4497057") or ("6128017") or ("5299207") or ("5748880") or ("6000045"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:27 |
| S9 | 8 | ((("4571679") or ("4713810") or ("5210757") or ("5357519") or ("5500940") or ("5561760") or ("5636203") or ("5974568"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:28 |
| S13 | 7 | ((("5983364") or ("5984427") or ("6345322") or ("6415395") or ("6473659") or ("6480972") or ("6499114"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:29 |
| S12 | 7 | ((("5287505") or ("5317368") or ("5596712") or ("5845272") or ("5944839") or ("6006016") or ("6041425"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:29 |
| S11 | 4 | ((("4385384") or ("5023873") or ("6480531") or ("6484206"))).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:29 |

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| S10 | 12 | ((("4380067") or ("4606024") or ("4996688") or ("5157668") or ("5189674") or ("5233600") or ("5299207") or ("5448722") or ("5513341") or ("5704036") or ("5968122") or ("6208955")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:29 |
| S15 | 5 | ((("6085132") or ("6367035") or ("6415395") or ("6473659") or ("6539499")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:30 |
| S14 | 13 | ((("4108360") or ("5159597") or ("5287505") or ("5351247") or ("5513343") or ("5539877") or ("5561760") or ("5664093") or ("5666481") or ("5790780") or ("5944839") or ("5983364") or ("6029258")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:30 |
| S17 | 8 | ((("20020143920") or ("20030172153") or ("20040078695") or ("20040230872") or ("5822578") or ("6594786") or ("6747957") or ("6830515")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/06 13:43 |
| S21 | 2 | ("5993055").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 14:22 |
| S20 | 2 | ("6038684").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 14:22 |
| S19 | 2 | ("5799022").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 14:22 |
| S18 | 2 | ("6519717").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 14:22 |
| S23 | 4 | ("2004/0078695").URPN. | USPAT | OR | OFF | 2006/09/06 16:11 |
| S24 | 33 | ("4796206" "5455947" "5481481" "5619656" "5809493").PN. OR ("5944839").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/06 16:33 |

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| S25 | 32 | ("5293323" "5309448" "5436909" "5640505" "5696486" "5761502" "5768501").PN. OR ("6000045"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/06 17:18 |
| S26 | 27 | ("4481577" "4679195" "5047977" "5383201" "5404503" "5432795" "5450575" "5561763" "5598560" "5701587" "5712972").PN. OR ("5974568"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/06 17:31 |
| S27 | 61 | ("4517468" "4644479" "4964125" "5018075" "5099436" "5123017" "5132920" "5133046" "5400018" "5431832" "5445347" "5448722" "5493729").PN. OR ("5845272"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/06 17:34 |
| S28 | 37 | ("3105636" "3289176" "3296369" "3361875" "3403225").PN. OR ("3575589"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/06 17:36 |
| S30 | 51 | ("4847795" "4870575" "5060279" "5090014" "5099436" "5200958" "5210704" "5272704" "5305426").PN. OR ("5596712"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/06 18:29 |
| S22 | 75 | ((S7 S8 S9 S10 S11 S12 S13 S14 S15 S17) not (S18 S19 S20 S21)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:45 |
| S36 | 5286 | (709/224).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:47 |
| S35 | 5044 | (709/223).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:47 |

EAST Search History

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|-----|------|---|---|----|-----|------------------|
| S34 | 490 | (714/39).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:47 |
| S33 | 493 | (714/37).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:47 |
| S32 | 244 | (714/26).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:47 |
| S38 | 31 | (S37 and (S32 S33 S34 S35 S36)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:49 |
| S37 | 1033 | ((fault\$1 error\$1 alarm\$1 problem\$1 failure\$1) with (categoriz\$6 classif\$8)) same (tree\$1 hierarch\$7) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/06 18:49 |
| S39 | 1 | ("2003/0221005").URPN. | USPAT | OR | OFF | 2006/09/06 18:50 |

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|-----|-----|---|---|----|-----|------------------|
| S40 | 62 | ("4258421" "4270174" "4463418" "4517468" "4610206" "4695946" "4823914" "4970725" "4977390" "5113489" "5123017" "5132920" "5274572" "5282127" "5321837" "5329465" "5400018" "5442553" "5445347" "5508941" "5528499" "5528516" "5594663" "5631832" "5633628" "5638296" "5650928" "5650930" "5661668" "5666534" "5678002" "5713075" "5737215" "5742915" "5806011" "5809161" "5842125" "5845272" "5856931" "5884073" "5884202" "5926745" "5949345" "5950147" "5956664" "5961567" "5988645" "6014612" "6028537" "6058307" "6094609" "6104988" "6112085" "6115653" "6161071" "6169943" "6192325" "6317701" "6324659" "6345257" "6459964" "6651034").PN. OR ("7013239").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 17:41 |
| S41 | 12 | ("20020166082" "20030070108" "20040078736" "20050015217" "4632802" "5067099" "5305426" "5369756" "5544308" "5566092" "5596712" "5926621").PN. OR ("7013411").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 17:58 |
| S31 | 214 | ((S23 S24 S25 S26 S27 S28 S30) not (S7 S8 S9 S10 S11 S12 S13 S14 S15 S17 S18 S19 S20 S21)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 18:42 |
| S63 | 51 | ("4847795" "4870575" "5060279" "5090014" "5099436" "5200958" "5210704" "5272704" "5305426").PN. OR ("5596712"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 18:43 |

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| S62 | 37 | ("3105636" "3289176" "3296369" "3361875" "3403225").PN. OR ("3575589").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 18:43 |
| S61 | 61 | ("4517468" "4644479" "4964125" "5018075" "5099436" "5123017" "5132920" "5133046" "5400018" "5431832" "5445347" "5448722" "5493729").PN. OR ("5845272").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 18:43 |
| S60 | 27 | ("4481577" "4679195" "5047977" "5383201" "5404503" "5432795" "5450575" "5561763" "5598560" "5701587" "5712972").PN. OR ("5974568").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 18:43 |
| S59 | 32 | ("5293323" "5309448" "5436909" "5640505" "5696486" "5761502" "5768501").PN. OR ("6000045").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 18:43 |
| S58 | 33 | ("4796206" "5455947" "5481481" "5619656" "5809493").PN. OR ("5944839").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 18:43 |
| S57 | 4 | ("2004/0078695").URPN. | USPAT | OR | OFF | 2006/09/07 18:43 |
| S56 | 2 | ("5993055").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 18:43 |
| S55 | 2 | ("6038684").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 18:43 |
| S54 | 2 | ("5799022").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 18:43 |
| S53 | 2 | ("6519717").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 18:43 |

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| S52 | 8 | ((("20020143920") or ("20030172153") or ("20040078695") or ("20040230872") or ("5822578") or ("6594786") or ("6747957") or ("6830515")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S51 | 5 | ((("6085132") or ("6367035") or ("6415395") or ("6473659") or ("6539499")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S50 | 13 | ((("4108360") or ("5159597") or ("5287505") or ("5351247") or ("5513343") or ("5539877") or ("5561760") or ("5664093") or ("5666481") or ("5790780") or ("5944839") or ("5983364") or ("6029258")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S49 | 7 | ((("5983364") or ("5984427") or ("6345322") or ("6415395") or ("6473659") or ("6480972") or ("6499114")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S48 | 7 | ((("5287505") or ("5317368") or ("5596712") or ("5845272") or ("5944839") or ("6006016") or ("6041425")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S47 | 4 | ((("4385384") or ("5023873") or ("6480531") or ("6484206")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S46 | 12 | ((("4380067") or ("4606024") or ("4996688") or ("5157668") or ("5189674") or ("5233600") or ("5299207") or ("5448722") or ("5513341") or ("5704036") or ("5968122") or ("6208955")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S45 | 8 | ((("4571679") or ("4713810") or ("5210757") or ("5357519") or ("5500940") or ("5561760") or ("5636203") or ("5974568")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S44 | 5 | ((("5440688") or ("5479611") or ("5748883") or ("6148419") or ("6173422")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S43 | 13 | ((("5494136") or ("3575589") or ("4617661") or ("6269460") or ("3786430") or ("4598356") or ("5007056") or ("3818199") or ("4497057") or ("6128017") or ("5299207") or ("5748880") or ("6000045")).PN. | US-PGPUB; USPAT | OR | OFF | 2006/09/07 18:43 |
| S65 | 1 | ("2003/0221005").URPN. | USPAT | OR | OFF | 2006/09/07 18:54 |

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|-----|----|--|---|----|-----|------------------|
| S66 | 13 | ("20020166082" "20030070108" "20040078736" "20050015217" "4632802" "5067099" "5305426" "5369756" "5544308" "5566092" "5596712" "5926621").PN. OR ("2003/0028823" "7013411").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 19:04 |
| S67 | 43 | ("4750136" "4942540" "5369756" "5448722" "5515403" "5590056" "5638410" "5661668" "5682328" "5726607" "5740357" "5748880" "5784627" "5850399" "5903564" "5905730" "5926463" "5953314" "5991163" "5991297" "5995511" "6006016" "6008805" "6008995" "6012152" "6015300" "6021116" "6021263" "6033259" "6041307" "6044540" "6078595" "6105150" "6134676").PN. OR ("6708291").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 19:07 |
| S68 | 53 | ("4697243" "4841456" "4964125" "4972453" "4985857").PN. OR ("5127005").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 19:17 |
| S69 | 25 | ("4514846" "4583834" "4896278" "4964125" "5010551" "5023817" "5090014" "5099436" "5107497" "5115177" "5130936" "5164912" "5166934" "5168147" "5187773" "5210704" "5239547" "5239637").PN. OR ("5515503").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 19:20 |
| S64 | 65 | ((S40 S41) not (S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 19:23 |
| S71 | 30 | ("4085448" "4342084" "4438494" "4453213" "4468731" "4570261").PN. OR ("5740357").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 19:37 |

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| S70 | 93 | ((S66 S67 S68 S69) not (S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 19:43 |
| S76 | 490 | (714/39).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 19:47 |
| S75 | 493 | (714/37).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 19:47 |
| S73 | 244 | (714/26).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 19:47 |
| S72 | 27 | (S71 not (S66 S67 S68 S69 S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031")) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 19:47 |
| S78 | 8 | maskulinski.xa. and (risk) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 20:13 |
| S79 | 12 | ("5951648" "5958010" "6006222" "6078916" "6192360" "6216151" "6347330" "6510513" "6542894" "6681244").PN. OR ("2003/0097617" "2005/0066236" "6898737").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/09/07 20:35 |

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| S80 | 11 | (S79 not (S73 S75 S76 S71 S66 S67 S68 S69 S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 21:05 |
| S77 | 1016 | ((S73 S75 S76) not (S71 S66 S67 S68 S69 S40 S41 S57 S58 S59 S60 S61 S62 S63 S43 S44 S45 S46 S47 S48 S49 S50 S51 S52 S53 S54 S55 S56)) and (@ad<="20031031" @pd<="20031031" @rlad<="20031031" @prad<="20031031") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/07 21:05 |
| S2 | 0 | 10/699634 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/08 18:29 |
| L33 | 0 | 10/699634 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/08 18:29 |